

ATNA RESOURCES LTD  
Form SC 13G  
September 12, 2011

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. \_\_\_)\*

ATNA RESOURCES LTD.

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(Name of Issuer)

Common Shares Without Par Value

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(Title of Class of Securities)

04957F101

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(CUSIP Number)

September 2, 2011

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(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(d)

Rule 13d-1(c)

Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be “filed” for the purpose of Section 18 of the Securities Exchange Act of 1934 (“Act”) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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Page 1 of 6 pages

CUSIP No. 06738E204

SCHEDULE 13G

Page 2 of 6 Pages

NAME OF REPORTING PERSONS

1 I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Barrick Gold Corporation

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See  
2 Instructions)

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Province of Ontario, Canada

5 SOLE VOTING POWER

15,000,000

6 SHARED VOTING POWER

0

7 SOLE DISPOSITIVE POWER

15,000,000

8 SHARED DISPOSITIVE POWER

0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

15,000,000

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

12.8%(1)

12 TYPE OF REPORTING PERSON (See Instructions)

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- (1) Based on information provided by Atna Resources Ltd.

Item 1.

(a) Name of Issuer

Atna Resources Ltd.

(b) Address of Issuer's Principal Executive Offices

14142 Denver West Parkway, Suite 250  
Golden, Colorado 80401

Item 2.

(a) Name of Person Filing

Barrick Gold Corporation

(b) Address of Principal Business Office or, if none, Residence

Brookfield Place, TD Canada Trust Tower  
3700 – 161 Bay Street  
Toronto, Ontario  
Canada M5J 2S1

(c) Citizenship

Province of Ontario, Canada

(d) Title of Class of Securities

Common Shares Without Par Value

(e) CUSIP Number

04957F101

Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is  
a:

(a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);

(b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);

(c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);

(d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);

(e) An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);



- (f) An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h) A savings association as defined in section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act (15 U.S.C. 80a-3);
- (j) A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J).
- (k) Group, in accordance with § 240.13d-1(b)(1)(ii)(K).

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: 15,000,000.
- (b) Percent of class: 12.8%.(2)
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote 15,000,000.
  - (ii) Shared power to vote or to direct the vote 0.
  - (iii) Sole power to dispose or to direct the disposition of 15,000,000.
  - (iv) Shared power to dispose or to direct the disposition of 0.
- (2) Based on information provided by Atna Resources Ltd.

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following o.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

No other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of the shares of Common Shares beneficially owned by the reporting persons.

Item Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the  
7. Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Member of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.



SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: September 9, 2011

BARRICK GOLD CORPORATION

/s/ Sybil E. Veenman

Name:

Sybil E. Veenman

Title:

Senior Vice President and General Counsel

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